IN THE CLAIMS

Please amend the claims as follows.

For the Examiner's convenience, a list of all claims is included below.

1.   (Currently Amended) A <u>computer implemented</u> method, comprising:

maintaining a global resource namespace including a list of a plurality child and parent resource objects, wherein parent resource objects represent <u>resource producers that include</u> physical and virtual resources, and a representation of the relationships among the child and parent resource objects; and

attaching an additional child resource object to one of the plurality of parent resource objects.

2.   (Original) The method of claim 1, wherein attaching an additional child resource object to one of the plurality of parent resource objects includes determining whether the parent resource object exists within the global resource namespace.

3.   (Original) The method of claim 2, wherein attaching an additional child resource object to one of the plurality of parent resource objects includes determining whether the parent resource object exists within the global resource namespace.

4.   (Original) The method of claim 3, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes determining whether conflicts

exist that would prevent the child resource object from being attached to the parent resource object.

5.   (Original) The method of claim 4, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes calculating the resource requirements of the child resource object.

6.   (Original) The method of claim 5, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes determining whether sufficient parent resource bandwidth is available to satisfy the requirements of the child resource object.

7.   (Currently Amended) A machine-readable medium having stored thereon instructions which, when executed by a computer system, causes the computer system to perform a method comprising:

maintaining a global resource namespace including a list of a plurality child and parent resource objects, wherein parent resource objects ~~represent~~ include physical and virtual resources, and a representation of the relationships among the child and parent resource objects; and

attaching an additional child resource object to one of the plurality of parent resource objects, wherein the child resource objects represent resource consumers and the parent resource objects represent resource producers.

8.   (Original) The machine-readable medium of claim 7, wherein attaching an additional child resource object to one of the plurality of parent resource objects includes determining whether the parent resource object exists within the global resource namespace.

9.   (Original) The machine-readable medium of claim 8, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes determining whether the parent resource object is available.

10.   (Original) The machine-readable medium of claim 9, wherein attaching and additional child resource object to one the plurality of parent resource objects further includes determining whether conflicts exist that would prevent the child resource object from being attached to the parent resource object.

11.   (Original) The machine-readable medium of claim 10, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes calculating the resource requirements of the child resource object.

12.   (Original) The machine-readable medium of claim 7, wherein attaching an additional child resource object to one of the plurality of parent resource objects further includes determining whether sufficient parent resource bandwidth is available to satisfy the requirements of the child resource object.